

METHOD AND APPARATUS FOR REDUCTION OF
COMBUSTOR DYNAMIC PRESSURE DURING
OPERATION OF GAS TURBINE ENGINES

ABSTRACT OF THE DISCLOSURE

Methods and apparatus for operating a gas turbine engine without sustained detrimental levels of dynamic pressure are provided. The engine includes a combustor. The method includes determining the combustor acoustic level amplitude, comparing the acoustic level to a predetermined upper acoustic limit, and adjusting a fuel flow distribution to the combustor using a closed loop controller to facilitate reducing the acoustic level to a predetermined lower acoustic limit that is less than the upper acoustic limit.